

SEQUENCE LISTING

<110> Cahoon, Edgar B.
Hitz, William D.
Kinney, Anthony J.
Vollmer, Steven J.

<120> LIMNANTHES OIL GENES

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<151> 1998-03-20

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<151> 1999-03-12

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<213> *Limnanthes douglasii*

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<212> PRT

<213> *Limnanthes douglasii*

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D007609-0004360

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Ile	Asp	Val	Thr	Trp	Tyr	Val	Ile	Arg	Thr	Leu	Gln	Ala	Ile	Gly	Leu
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35 40 45
His Phe Leu Cys Leu Leu Ala Pro Phe Asn Phe Thr Trp Pro Ala Leu
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Arg Val Ala Leu Ile Val Tyr Thr Val Gly Gly Leu Gly Ile Thr Val
65 70 75 80
Ser Tyr His Arg Asn Leu Ala His Arg Ser Phe Lys Val Pro Lys Trp
85 90 95
Leu Glu Tyr Phe Phe Ala Tyr Cys Gly Leu Leu Ala Ile Gln Gly Asp
100 105 110
Pro Ile Asp Trp Val Ser Thr His Arg Tyr His His Gln Phe Thr Asp
115 120 125
Ser Asp Arg Asp Pro His Ser Pro Asn Glu Gly Phe Trp Phe Ser His
130 135 140
Leu Leu Trp Leu Phe Asp Thr Gly Tyr Leu Val Glu Lys Cys Gly Arg
145 150 155 160
Arg Thr Asn Val Glu Asp Leu Lys Arg Gln Trp Tyr Tyr Lys Phe Leu
165 170 175
Gln Arg Thr Val Leu Tyr His Ile Leu Thr Phe Gly Phe Leu Leu Tyr
180 185 190
Tyr Phe Gly Gly Leu Ser Phe Leu Thr Trp Gly Met Gly Ile Gly Val
195 200 205
Ala Met Glu His His Val Thr Cys Leu Ile Asn Ser Leu Cys His Val
210 215 220
Trp Gly Ser Arg Thr Trp Lys Thr Asn Asp Thr Ser Arg Asn Val Trp
225 230 235 240
Trp Leu Ser Val Phe Ser Phe Gly Glu Ser Trp His Asn Asn His His
245 250 255
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260 265 270
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006460-04099960

<212> DNA
<213> *Limnanthes douglasii*

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<213> *Limnanthes douglasii*

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35 40 45

Leu Ala Leu Val Leu Phe Ala Gln Ile Ser Thr Leu Ser Leu Lys Asp
50 55 60

Phe Asn Asp Ile Trp Glu Gln Leu Gln Xaa Asn Leu Xaa Ser Val Val
65 70 75 80

Val Ser Ser Thr Leu Leu Val Ser Leu Leu Ile Leu Tyr Phe Met Thr
85 90 95

Arg Pro Arg Pro Val Tyr Leu Met Asp Phe Ala Cys Tyr Lys Pro Asp
100 105 110

Glu Xaa Arg Lys Ser Thr Arg Glu His Phe Met Lys Cys Gly Glu Ser
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Leu Gly Ser Phe Thr Glu Asp Asn Ile Asp Phe Gln Arg Lys Leu Val
130 135 140

Ala Arg Ser Gly Leu Gly Asp Ala Thr Tyr Leu Pro Glu Ala Ile Gly
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Leu Val Met Phe Gly Ala Ile Asp Gln Leu Leu Glu Lys Thr Lys Val
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Asn Pro Lys Asp Ile Gly Ile Leu Val Val Asn Cys Ser Leu Phe Ser
195 200 205

Pro Thr Pro Ser Leu Ser Ser Met Ile Val Asn His Tyr Lys Leu Arg
210 215 220

Gly Asn Ile Ile Ser Tyr Asn Leu Gly Gly Met Gly Cys Ser Ala Gly
225 230 235 240

Leu Ile Ser Val Asp Leu Ala Lys Arg Leu Leu Glu Thr Asn Pro Asn
245 250 255

Thr Tyr Ala Leu Val Met Ser Thr Glu Asn Ile Thr Leu Asn Trp Tyr
260 265 270

Met Gly Asn Asp Arg Ser Lys Leu Val Ser Asn Cys Leu Phe Arg Met
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Gly Gly Ala Ala Val Leu Leu Ser Asn Lys Thr Ser Asp Lys Lys Arg
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Asp Asn Cys Tyr Gly Cys Ile Phe Gln Glu Glu Asp Ser Asn Gly Lys
325 330 335

Ile Gly Val Ser Leu Ser Lys Asn Leu Met Ala Val Ala Gly Asp Ala
340 345 350

Leu Lys Thr Asn Ile Thr Thr Leu Gly Pro Leu Val Leu Pro Met Ser
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Glu Gln Leu Leu Phe Phe Ala Thr Leu Val Ala Arg Lys Val Phe Lys
370 375 380

Lys Lys Ile Lys Pro Tyr Ile Pro Asp Phe Lys Leu Ala Phe Asp His
385 390 395 400

Phe Cys Ile His Ala Gly Gly Arg Ala Val Leu Asp Glu Leu Glu Lys
405 410 415

Asn Leu Gln Leu Ser Ser Trp His Leu Glu Pro Ser Arg Met Thr Phe
420 425 430

Ile Arg Phe Gly Asn Thr Ser Ser Thr Leu Trp Tyr Glu Leu Ala
435 440 445

Tyr Ser Glu Ala Lys Gly Arg Ile Arg Lys Gly Glu Arg Val Trp Gln
450 455 460

Ile Gly Phe Gly Ser Gly Phe Lys Cys Asn Ser Ala Val Trp Lys Ala
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<212> DNA

<213> *Limnanthes douglasii*

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<210> 7

<211> 233

<212> PRT

<213> *Limnanthes douglasii*

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 35 40 45
 Asp Asn Cys Tyr Gly Cys Ile Phe Gln Glu Glu Asp Ser Thr Gly Ile
 50 55 60
 Ser Gly Val Ser Leu Ser Lys Asn Leu Met Ala Val Ala Gly Asp Ala
 65 70 75 80
 Leu Lys Thr Asn Ile Thr Thr Ile Gly Pro Leu Val Leu Pro Met Thr
 85 90 95
 Glu Gln Leu Leu Tyr Phe Ala Ser Leu Val Gly Arg Asn Ile Phe Lys
 100 105 110
 Met Lys Ile Lys Thr Tyr Val Pro Asp Phe Lys Leu Ala Phe Glu His
 115 120 125
 Phe Cys Ile His Ala Gly Gly Arg Gly Val Leu Asp Ala Leu Glu Lys
 130 135 140
 Asn Leu Gln Leu Ser Glu Trp His Leu Glu Pro Ser Arg Met Thr Leu
 145 150 155 160
 Tyr Arg Phe Gly Asn Thr Ser Ser Ser Leu Trp Tyr Glu Leu Ala
 165 170 175
 Tyr Ser Glu Ala Lys Gly Arg Ile Lys Lys Gly Glu Arg Val Trp Gln
 180 185 190
 Ile Gly Phe Gly Ser Gly Phe Lys Cys Asn Ser Val Val Trp Lys Ala
 195 200 205
 Leu Arg Thr Val Asp Pro Lys Glu Glu Asn Asn Pro Trp Thr Asp Glu
 210 215 220
 Ile His Gln Phe Pro Val Ala Val Val
 225 230